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## WHAT IS CLAIMED IS:

- A network surveillance video camera system using a network comprising:
- a plurality of video camera units, each having a

  5 different, address and generating video data, each including
  motion detection means for detecting a motion of an image
  from said video data and communication means for
  communicating with said network to transmit said video data
  and an output of said motion detection means;
  - storing means, having a different address and communication means for communicating with said network, for receiving and storing said video data from said video camera units through said network;

displaying means, having a different address and
communication means for communicating with said network,
for displaying said video data from said storing means and
said video camera units; and

control server coupled to said network having a different address for automatically communicating with said 20 network to control, Said addresses of said video camera units, said storing means, and said display means.

 A network surveillance video camera system as claimed in claim 1, wherein at least one of said camera units
 further comprises a memory for storing/said video data and traffic detection means for detecting a traffic amount of said network and comparing said traffic amount with a reference and transmitting, to said displaying means, only a portion of said video data regarding that said motion detection means detects said motion when said traffic amount exceeds said reference.

- A network surveillance video camera system as claimed in claim 1, wherein at least one of said camera units
   further comprises a microphone for generating sound data and traffic detection means for detecting a traffic amount of said network and comparing said traffic amount with a reference and transmitting said sound data to said displaying means as well as inhibiting to transmit said
   video data when said traffic amount exceeds said reference and said displaying means further comprises a speaker for reproducing said sound data.
- 4. A network surveillance video camera system as claimed
  20 in claim 1, wherein at least one of said video camera units
  further comprises a memory for storing said video data in
  response to said motion detection means, sensor input means
  for receiving a sensor signal, and thinning means for
  thinning said video data in said memory to transmit said
  25 thinned video data to said network.

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- 5. A network surveillance video camera system as claimed in claim 1, wherein each of said video camera units includes:
- 5 sensor input means for receiving a sensor signal; and .

alarm signal generation means for generating alarm
data in response to said sensor signal and said motion
detection means to transmit said alarm data and data
10 regarding said alarm data including said sensor signal to
said control server and said control server further
includes:

data base for storing sets of said alarm data and said data regarding said alarm data;

input means for inputting keyword data and mark data;
searching means for searching said alarm data in
said data base in accordance with said keyword; and

data base control means for storing said mark data in response to said input means with correspondence with 20 one of said sets of said alarm data to inhibit searching means from searching one of said sets of said alarm data corresponding to the mark data.

A network surveillance video camera system as claimed
 in claim 1, wherein each of said video camera units further

## includes:

pivoting means for changing an optical axis of said
video camera unit in accordance with control data; and
position data generation means for generating
position data of said pivoting means;

time data generation means for generating time data;
alarming means responsive to a sensor signal and
said motion detection means for generating alarm data and
alarm type data and transmitting said alarm data, said
alarm type data, alarm sub-data, including said position
data and said time data, and said address of said video
camera unit; and said control server further includes:

a table storing relation between addresses of said video camera units and data of installation places of said 15 video camera units; and

control means for receiving said alarm data from one of said video camera units, obtaining said position data and said data of installation place of said one of video camera units which transmits the alarm data, and transmitting said alarm data, said alarm type data, said data of installation place of said one of said video camera units, and alarm sub-data including said position data and said time data, and said address of said one of video camera units, to said displaying means.

- 7. A network surveillance video camera system as claimed in claim 1, wherein at least one of said video camera units further comprises microphone means for receiving a sound signal around said each video camera unit and generating sound data from said sound signal, comparing means for comparing a level of said sound data with a reference, alarm means for generating alarm data when said level exceeds said reference, and a switch for either transmitting said alarm data or not transmitting said alarm data to said network.
- 8. A network surveillance video camera system as claimed in claim 1, at least one of said video camera units includes a CCD imager for successively generating said video data with an exposure interval and brightness level detection means for detecting a brightness level, and exposure control means for changing said exposure interval from a first exposure interval to a second exposure interval, which is longer than said first exposure interval and for changing a transmitting interval of said video data from a first interval to a second interval which is longer than said first interval to prevent said video camera unit from transmitting the same field or frame of video data twice, when said brightness level is less than said

- 9. A network surveillance video camera system as claimed in claim 1, wherein said control server generates an address table of said plurality of video camera units and 5 transmits said address table to said storing means, said storing means further comprises storing means for receiving and storing said address table and monitoring means for monitoring said network to receive and store said video data from said video camera units within said network surveillance video camera system.
- 10. A network surveillance video camera system as claimed in claim 1. wherein said control server generates an address table of said plurality of video camera units and 15 transmits said address table to said display means, said display means further comprises storing means for receiving and storing said address table and monitoring means for monitoring said network to receive and display said video data from said video camera units within said network
- 20 surveillance video camera system.